TSSC/IMC v8.5.x Fix List

TSSC/IMC code level 8.5.4 replaces the previous code level 8.4.4.

Since TSSC/IMC may get updated from 7.x or 8.x level of code, please review not only the 8.5.4 specific changes and improvements, yet also those already provided in prior code level as needed.
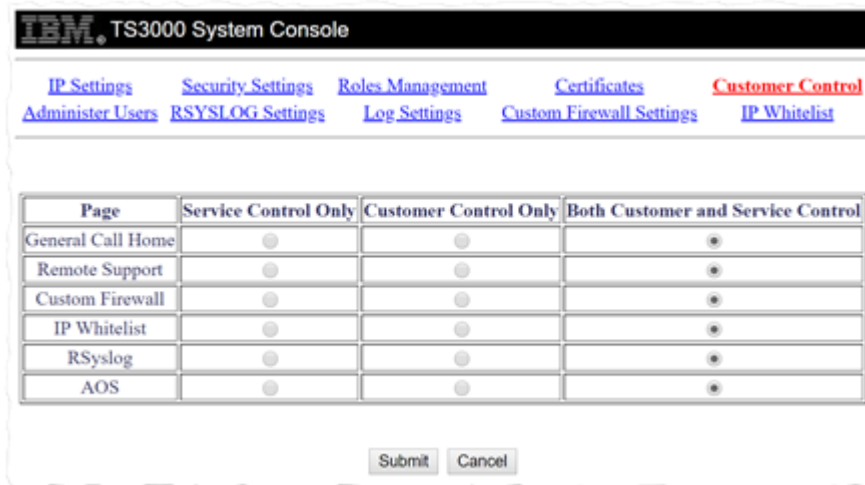
Changes introduced with TSSC/IMC v8.5.4 (Feb 2018)

- New Java JRE 8.0.5.5
- ETC-RPQ support (Citi only)
- SSR Usability related changes:
  - TSSC Code install process improvements
    - Perform TSSC reboot rather than shutdown after TSSC code load (eliminate unnecessary manual power-on)
    - Support for non-interactive install to enable remote code load (no user input needed after starting code install)
    - Report available TSSC code level in Web UI and allow code activate

    - Support ability to broadcast TSSC code image to attached TSSC's during code activation
  - Several fixes to improve handling of Knowledge Center installation and launch
  - Fixed Fix Acquisition functionality, previously broken in v8.4.4

- o Fixed issues with TS7700 mksysb broadcast
- o Cleanup "Test RETAIN Connection" by removing superfluous phone numbers and outdated instructions
- o Fixed problem where rsRasMenu improperly reported missing DS6000 Storage Manager
- o Fixed problem where Console Configuration Utility doesn't work on old TSSC models
- o Fixed problem where Data Offload function doesn't work after issuing subsystem log retrieval
- o Improved error message when running "Query Subsystem" from rsRasMenu for 3584
- o Fixed problem where serial connections to Cache Controller fails due to improper flow control setting
- o Add TSSC DNS information to PE package
- Security related changes:
  - o Fix problem where button to switch from TLS v1.0 to v1.2 didn't work properly
  - o Configure web server to only allow GET and POST HTTP methods
  - o Update web page header to prevent browsers from storing sensitive information
  - o Improved handling of pages opened in separate tabs
  - o Sanitize web input to prevent potential SQL injection
  - o Report "404 - Not Found" when trying to access non-supported web pages
  - o Update security by only allowing NIST compliant DH and ECDH ciphers
  - o Proper handling of imported proxy certificate for AOS
- Customer usability related changes:
  - o Move "Administer User" from Security Settings to its own page
  - o Implement Customer Control panel to simplify customer ability to grant/deny access to certain functionality for IBM service

IBM. TS3000 System Console

IP Settings Security Settings Roles Management Certificates **Customer Control**
Administer Users RSYSLOG Settings Log Settings Custom Firewall Settings IP Whitelist

| Page	Service Control Only	Customer Control Only	Both Customer and Service Control
General Call Home	○	○	◉
Remote Support	○	○	◉
Custom Firewall	○	○	◉
IP Whitelist	○	○	◉
RSyslog	○	○	◉
AOS	○	○	◉

Submit   Cancel

  - o Prevent customer-only controlled pages from being accessed via rsRasMenu
  - o Fixed problem where "Add to list" function on IP Whitelist page didn't work
  - o Change IMC local GUI configuration to prevent sleep/power save mode
  - o Fixed problem where customer initiated "Test RETAIN connection" failed with "Access Denied"

- o Fixed problem where customer attempt to "tail" a log file fails
- Remote support center related changes:
  - o Add new remote support center server replacing prior Haifa server
  - o Fixed references from "Remote Support" to "Remote Support Center"
- Call Home related changes:
  - o Modified default call home method from Modem to Ethernet
  - o Add new ECC certificates in preparation for server changes in Aug 2018
  - o Fix problem where "Failed Call Home Queue" doesn't load properly
- AOTM related changes:
  - o Switch AOTM to use port 443 rather than 80
  - o Additional fix for AOTM stability, previously provided as patch for TSSC v8.4.4
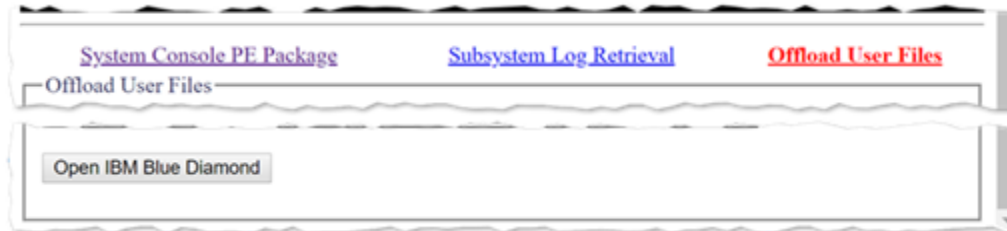
Note: Over 50 CMVCs have been addressed in 8.5.4

Changes introduced with Apr 2018 'TSSC 8.5.4 Patch 2'

- Force configuration/verification of settings after code install
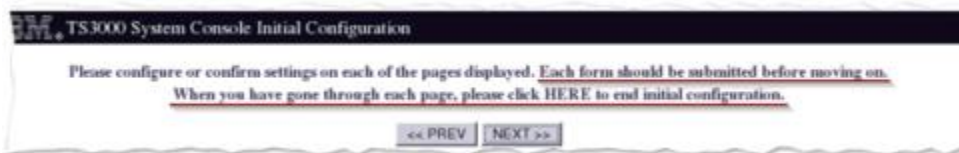
- Added support for ECuRep secure transfer server sftp.ecurep.ibm.com
- Added ability for TSSC to send data to Blue Diamond

- SSR/Customer Usability related changes:
  - o Several fixes to Fix Acquisition function, including download retries

- o   Several fixes to LDAP(S) configuration
- o   Improved order of servers for remote support center
- o   Improved ECC connection test to report specific curl command
- o   Improved TSSC patch installer to allow code specific installations
- o   Changed TSSC PE call home to regular data call home

Changes introduced with TSSC/IMC v8.5.5 (Jul 2018)
Note: TSSC code level 8.5.5 replaces v8.5.4 as well as 'Patch 2',
        and effectively adds the content of an additional patch to those.

- • SSR Usability related changes:
    - o   Fixed problem where Port Forwarding didn't work properly from Attached Systems page
    - o   Fixed problem where Initial Config Wizard is not shown after restore to configuration defaults
    - o   Improved Initial Config Wizard by removing timeout that could cause wizard to fail
    - o   Improved Initial Config Wizard to match TS7700 roadmap
    - o   Fixed problem where Fix Download wasn't working properly for TS4500
    - o   Fixed problem where collecting TSSC PE package failed when invoked via web UI
    - o   Improved TSSC patch install procedure by adding message to ensure reboot
    - o   Updated AOS configuration to allow disabling auto startup on reboot (when AOS must not be used)
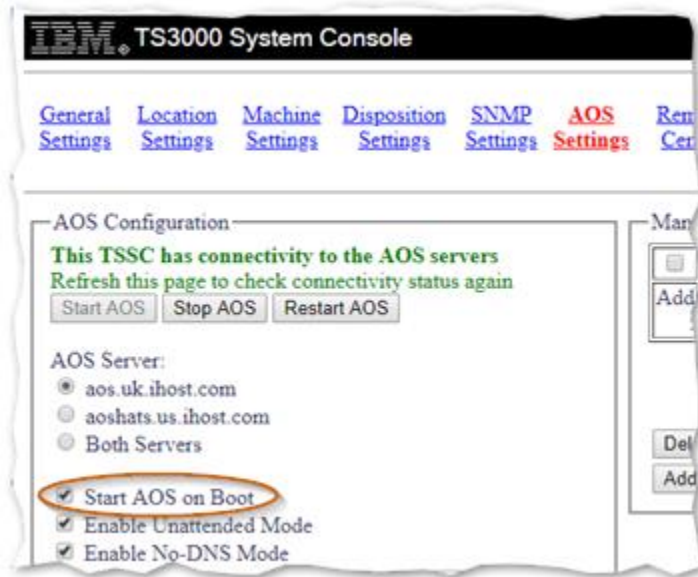
- Added ability to change TSSC screen resolution
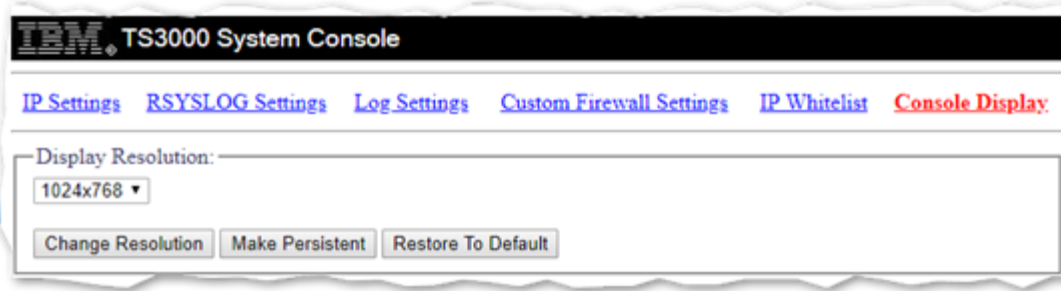
- Customer usability related changes:
  - Fixed problem where Operator and Administrator roles were not available to select for newly created users
  - Add ability for customer to download TSSC configuration